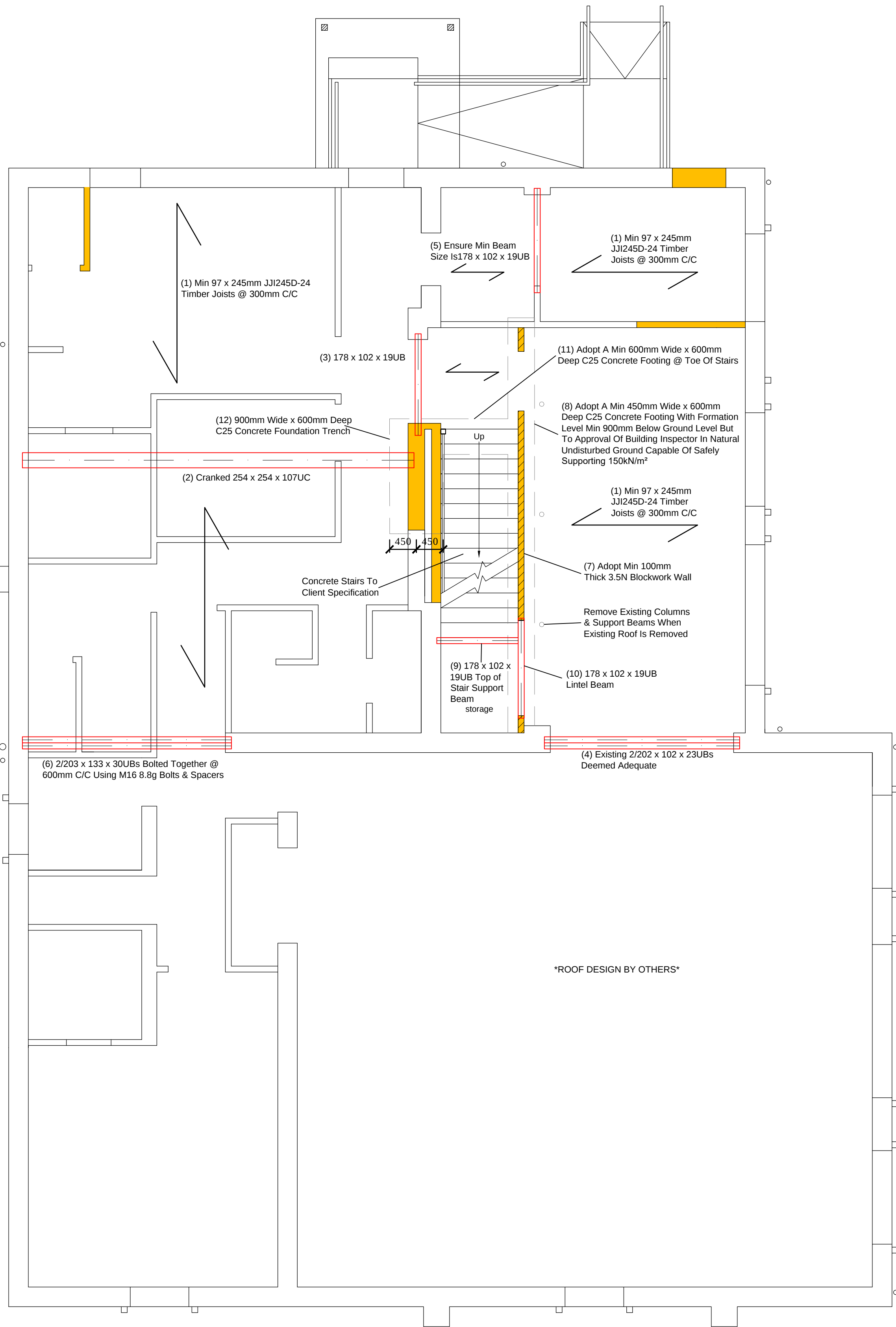




Structural Plan Scale 1 : 50

KEY

New Wall Construction

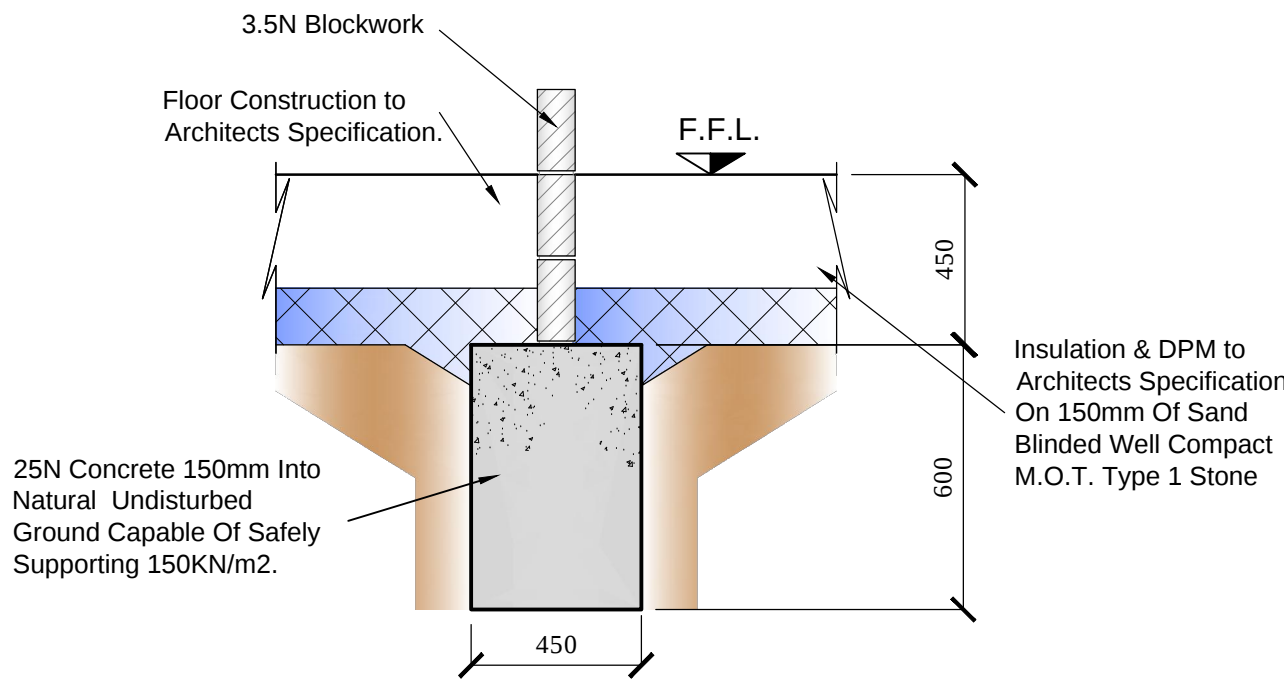
Steelwork Notes

- 1) DO NOT SCALE, IF IN DOUBT ASK.
- 2) TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS.
- 3) ALL HOT ROLLED STEELWORK (INCLUDING ALL CONNECTION MATERIAL) IS TO BE GRADE S275 U.N.O, EXCEPT CHS SECTIONS WHICH ARE GRADE S355.
- 4) ALL STEELWORKS TO BE SHOT BLAST TO SA 2.5 AND APPLY ZINC PHOSPHATE PRIMER TO 75 MICRONS D.F.T.
- 5) ALL STRUCTURAL BOLTS WILL BE IN THE FORM OF FULLY THREADED SET SCREWS TO BS3492 OR BSEN24017 TS B.C.S.A. RECOMMENDED SIZE RANGE AND WILL BE PURCHASED FROM QUALITY ASSURED SUPPLIERS.
- 6) ALL STRUCTURAL BOLTS WILL BE ZINC PLATED TO BS1706 : 1990 (ZN2). BOLTS TO BE M20 GRADE 8.8, MINIMUM 2 BOLTS PER CONNECTION UNLESS NOTED OTHERWISE.
- 7) STEELWORK TO BE ERECTED TO TOLERANCES SPECIFIED IN THE LATEST EDITION OF THE 'NATIONAL STRUCTURAL STEELWORK SPECIFICATION' .
- 8) ALL FILLET WELDS TO BE A MINIMUM OF 6MM U.N.O AND ALL ENDPLATES TO BE A MINIMUM OF 10MM IN THICKNESS.
- 9) H.D BOLTS TO BE PROTECTED AT ALL TIMES.
- 10) H.D BOLTS & WASHER PLATES TO BE PLACED IN FOUNDATION PRIOR TO CONCRETE BEING POURED.
- 11) WAXED BOLT CONES TO BE PLACED AROUND EACH BOLT TO ALLOW ADJUSTMENT DURING STEELWORK ERECTION.
- 12) BEFORE THE CONCRETE HAS SET ENSURE THE H.D. BOLTS ARE LOOSENED IN THE POCKETS TO ENSURE THEY REMAIN FREE.
- 13) COLUMNS TO BE GROUTED AFTER THE STEELWORK HAS BEEN ALIGNED AND LEVELLED.
- 14) ALL HD BOLTS GRADE 8.8 U.N.O.

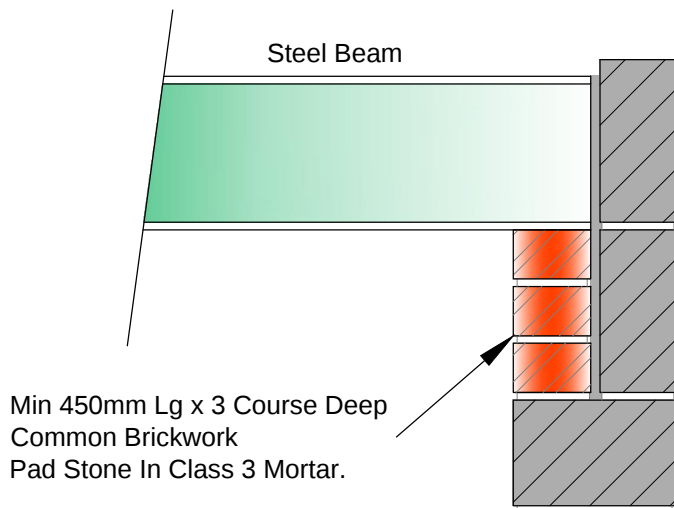
Notes

- 1) DO NOT SCALE, IF IN DOUBT ASK.
- 2) TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS.
- 3) ALL CONCRETE TO BE PLACED IN ACCORDANCE WITH THE RECOMMENDATIONS OF BS 8110 : PART 1 : 1997 .
- 4) USE MIN GRADE C25 CONCRETE FOR FOUNDATIONS (U.N.O)
- 5) GROUND AT FORMATION LEVEL ASSUMED TO BE NATURAL UNDISTURBED AND CAPABLE OF SAFELY SUPPORTING 150kN/m².
- 6) GROUTING OF COLUMN BASES - UNLESS SPECIFICALLY STATED, GROUTING OF COLUMN BASES SHOULD BE FILLED AS FOLLOWS: COMPLETELY FILL BOLT POCKETS WITH NEAT CEMENT SLURRY & THE SPACE BENEATH COLUMN BASE PLATES WITH GROUT OR MORTAR AS PER THE GUIDELINES BELOW:

~ SPACES 25-50mm DEEP - MORTAR OF 1:1 CEMENT/SAND, JUST FLUID ENOUGH TO POUR & WELL TAMPED AS FILLING PROCEEDS.
~ SPACES 50-80mm DEEP - DAMP MOTAR OF 1:2 CEMENT/SAND, WELL TAMPED AGAINST PROPERLY FIXED SUPPORTS AS FILLING PROCEEDS.
~ CEMENT - PORTLAND CEMENT TO BS12, CLASS 42.5N OR CLASS 52.5N.
~ SAND - TO BS882, GRADING LIMIT 'M'.
- 7) ENCASED STEELWORK - WHERE BURIED, ENCASED IN CONCRETE BELOW SLAB LEVEL OR WHOLLY OR PARTIALLY EMBEDDED WITHIN EXTERNAL CAVITY WALL, STEELWORK SHOULD BE GIVEN 2 COATS OF R.I.W. LIQUID ASPHALTIC COMPOUND ON ALL SIDES THAT ARE ENCASED OR EMBEDDED.
- 8) SHOULD AIR TEMPERATURE FALL TO 5°C OR LESS OR RISE TO 30°C OR MORE DURING CONSTRUCTION, SPECIAL PRECAUTIONS ARE TO BE TAKEN, ALL TO THE APPROVAL OF THE ENGINEER.
- 9) BOTTOMS OF EXCAVATIONS AND SURROUNDING SITE SHALL BE KEPT FREE FROM WATER.
- 10) BOTTOMS OF EXCAVATIONS SHALL BE TRIMMED LEVELLED AND PROTECTED FROM DETERIORATION.
- 11) THE CONTRACTOR IS RESPONSIBLE AND LIABLE FOR ENSURING THE STABILITY OF THE WORKS, SERVICES AND ADJACENT STRUCTURES AT ALL STAGES OF CONSTRUCTION. THE DESIGN OF ALL TEMPORARY WORKS SHALL BE THE CONTRACTORS RESPONSIBILITY.
- 12) IF FORMWORK IS NOT TO BE USED THE CONTRACTOR IS TO ENSURE THAT ANY OVERSIZING OF THE FOUNDATION DOES NOT CAUSE A CLASH WITH ANY OTHER PART OF THE STRUCTURE OR SERVICES.



Internal Wall Trench Fill Detail Scale 1 : 20



Typical Pad Stone Scale 1 : 10

Rev.	Revision Description	Drn		Date
 A.J.S. Structural Design 62 Carter Street Uttoxeter Staffs. ST14 8EU Tel: 01889 568056 Fax: 01889 569805				
Client: Aston-On-Trent Pavilion Aston-On-Trent Derbyshire				
Title: Proposed Structural Plan				
Drawn by: MP		Date: April 2016		Index No.:
Scales: As Shown Paper Size A1				
Drawing No: A2680 - 200				Revision B